

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016783.D
 Acq On : 16 Jun 2020 16:38
 Operator : JC/SP
 Sample : L3005-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW004-200611

Quant Time: Jun 17 03:57:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	240296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	376019	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	384785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197107	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	137323	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	5.46	113	116981	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
50) Toluene-d8	8.70	98	458608	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
62) 4-Bromofluorobenzene	11.12	95	186673	57.05	ug/l	0.00
Spiked Amount			Recovery	=	114.10%	

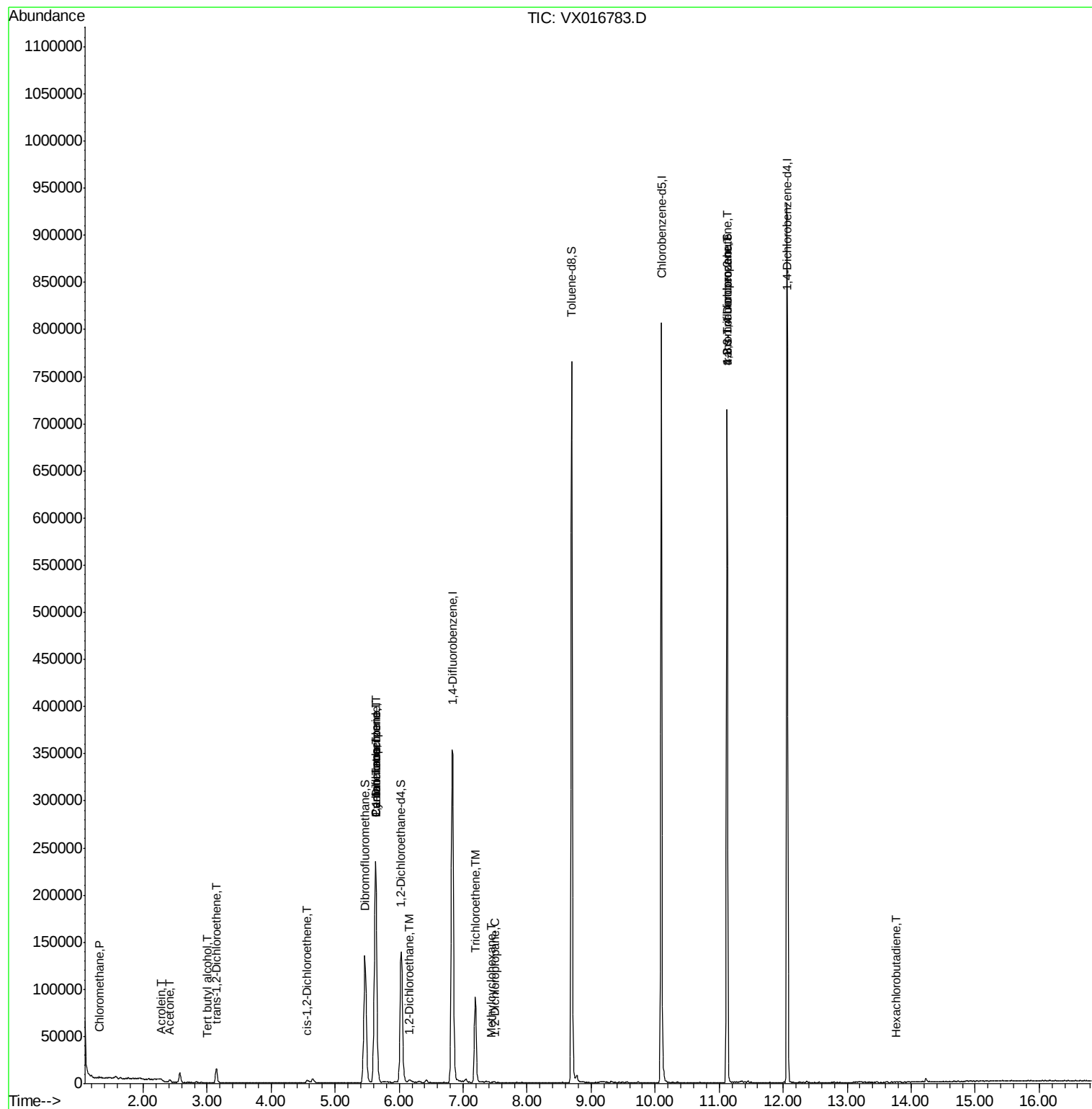
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	628	0.239	ug/l #	84
11) Tert butyl alcohol	3.01	59	273	0.402	ug/l #	73
13) Acrolein	2.27	56	202	2.998	ug/l #	44
16) Acetone	2.42	43	3038	2.478	ug/l	89
21) trans-1,2-Dichloroethene	3.15	96	6815	2.700	ug/l	93
27) cis-1,2-Dichloroethene	4.56	96	2177	0.755	ug/l	80
31) Cyclohexane	5.63	56	3856	1.789	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16154	4.861	ug/l #	50
38) Carbon Tetrachloride	5.63	117	21973	5.822	ug/l #	16
39) Methylcyclohexane	7.43	83	45	0.964	ug/l #	19
42) 1,2-Dichloroethane	6.16	62	2445	0.662	ug/l	84
44) Trichloroethene	7.19	130	36076	11.528	ug/l	99
45) 1,2-Dichloropropane	7.49	63	510	0.206	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	89489	21.589	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89489	54.350	ug/l #	13
94) Hexachlorobutadiene	13.77	225	53	0.441	ug/l #	46

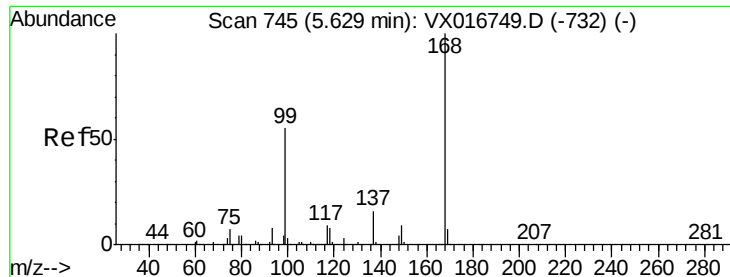
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061620\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 16 02:02:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

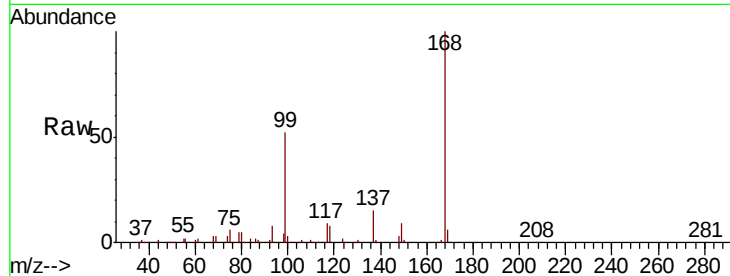
LF017MW004-200611

Tot Ion:168 Resp: 240296

Ion Ratio Lower Upper

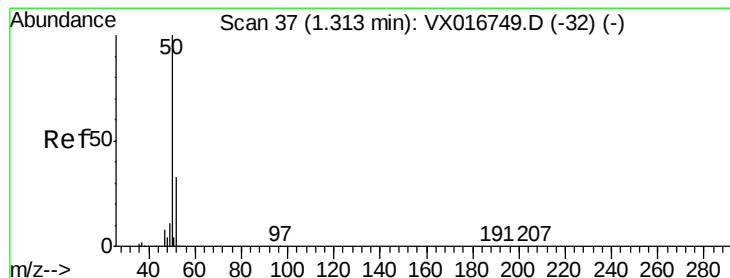
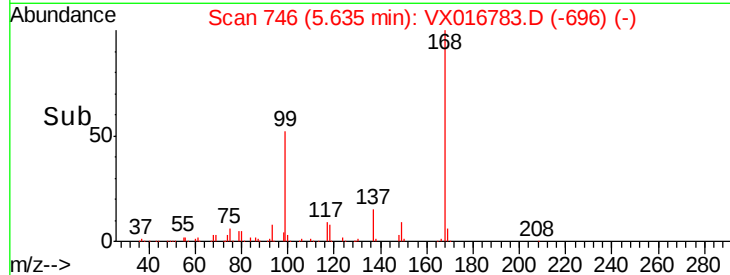
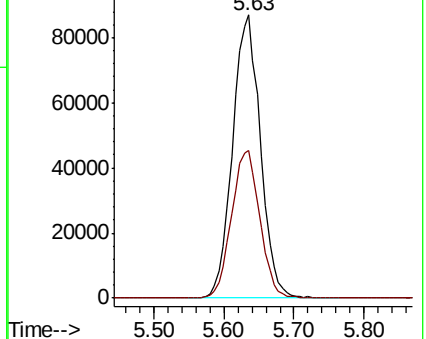
168 100

99 52.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.239 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016783.D

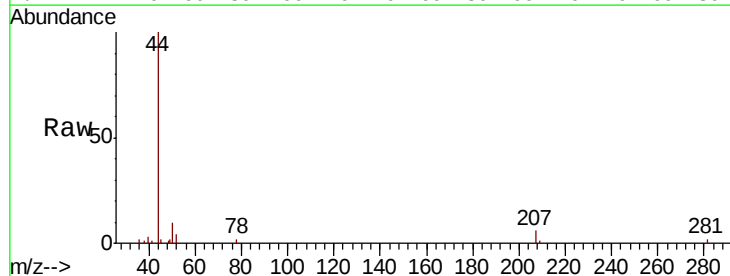
Acq: 16 Jun 2020 16:38

Tgt Ion: 50 Resp: 628

Ion Ratio Lower Upper

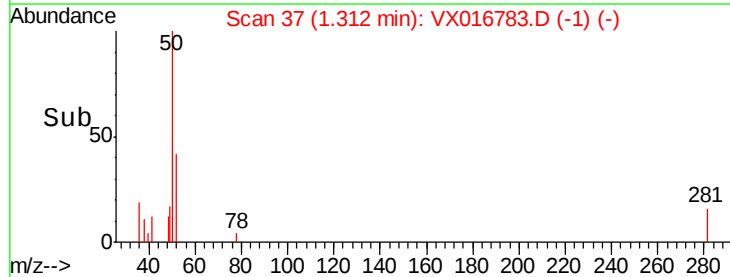
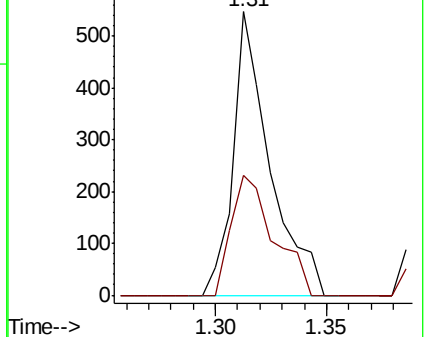
50 100

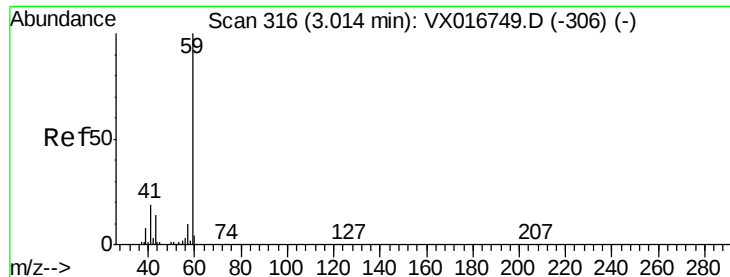
52 42.2 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



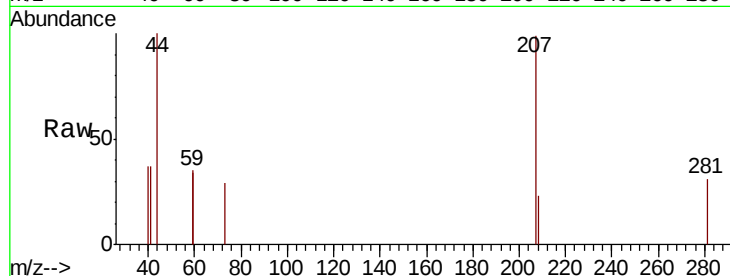


#11

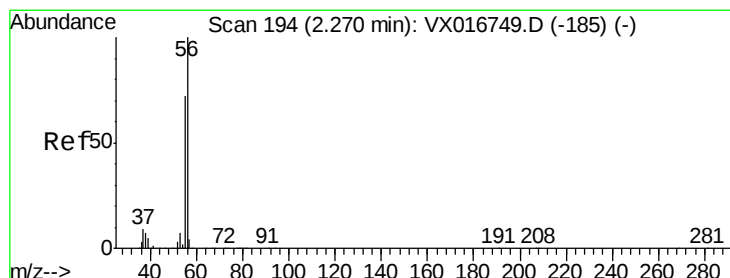
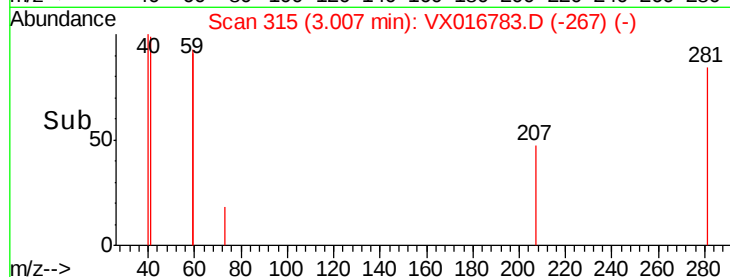
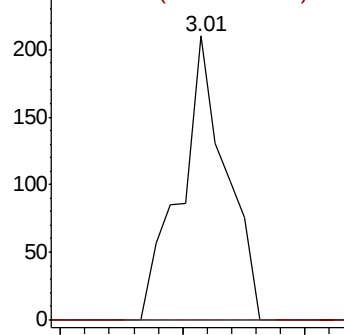
Tert butyl alcohol
Concen: 0.402 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016783.D
Acq: 16 Jun 2020 16:38

Instrument :
MSVOA_X
ClientSampleId :
LF017MW004-200611

Tot Ion: 59 Resp: 273
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



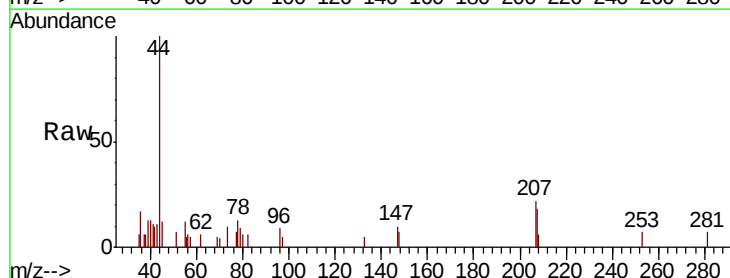
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



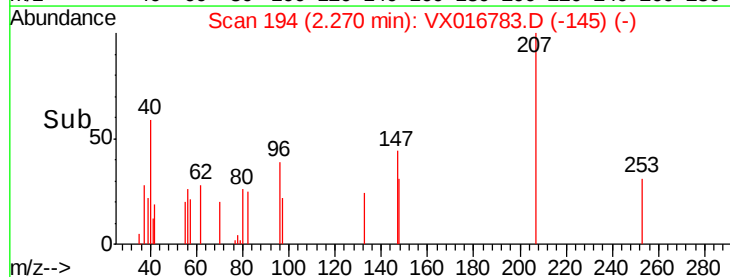
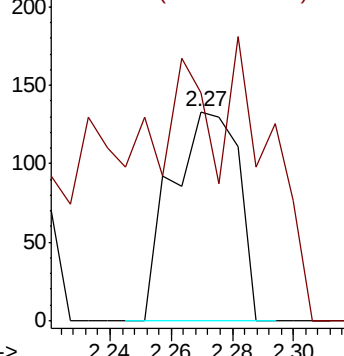
#13

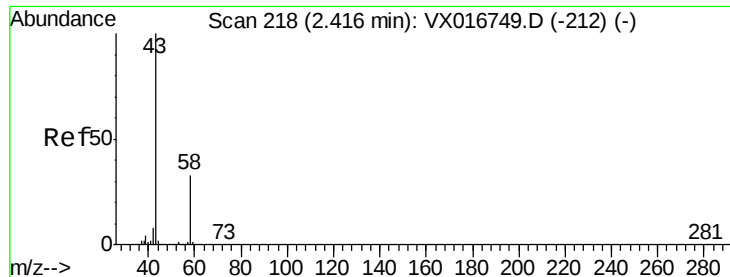
Acrolein
Concen: 2.998 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016783.D
Acq: 16 Jun 2020 16:38

Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 25.7 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.478 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

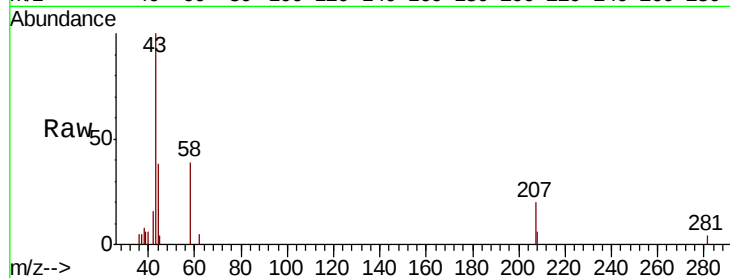
LF017MW004-200611

Tot Ion: 43 Resp: 3038

Ion Ratio Lower Upper

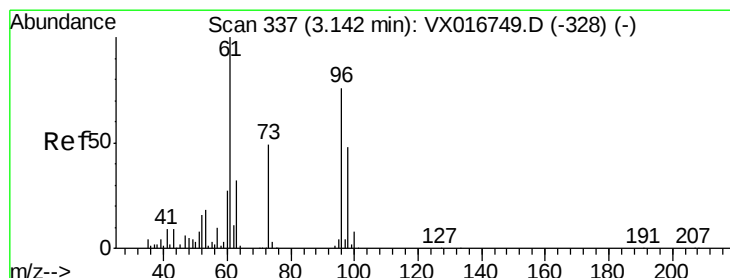
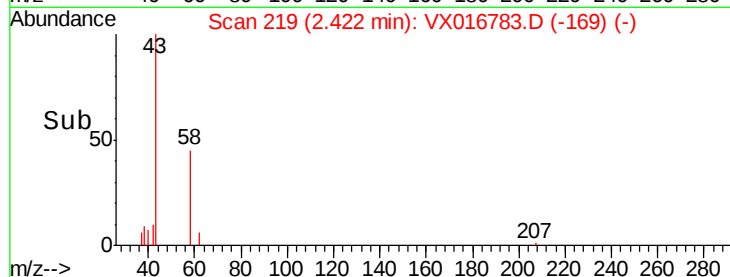
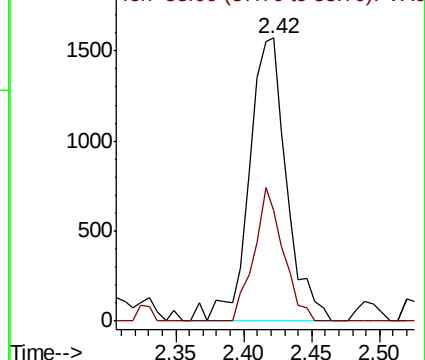
43 100

58 39.2 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 2.700 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

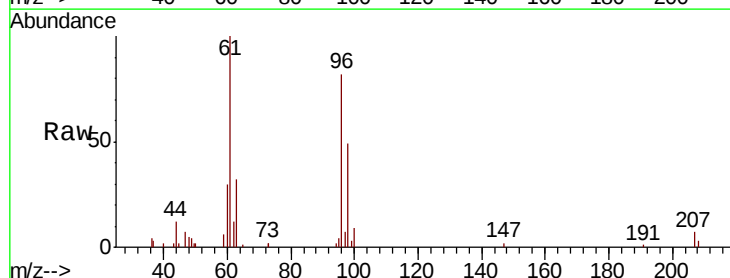
Tgt Ion: 96 Resp: 6815

Ion Ratio Lower Upper

96 100

61 122.1 105.4 158.2

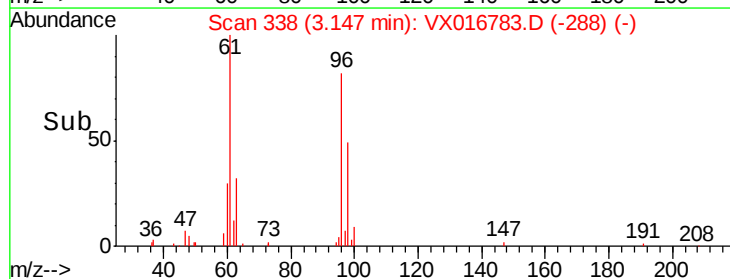
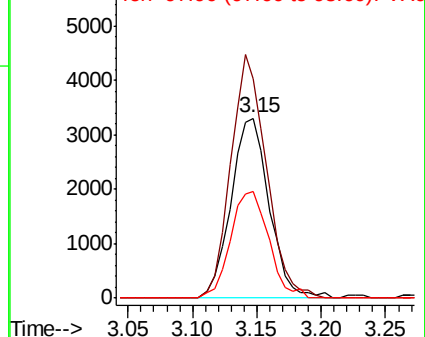
98 59.3 50.8 76.2

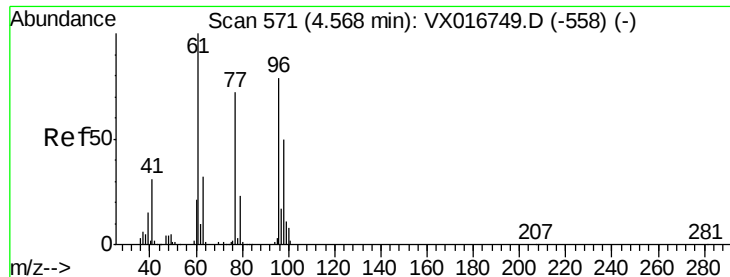


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



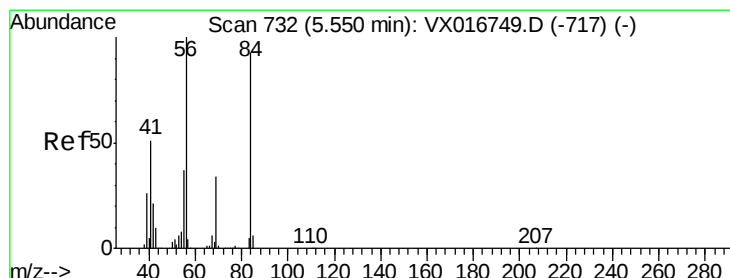
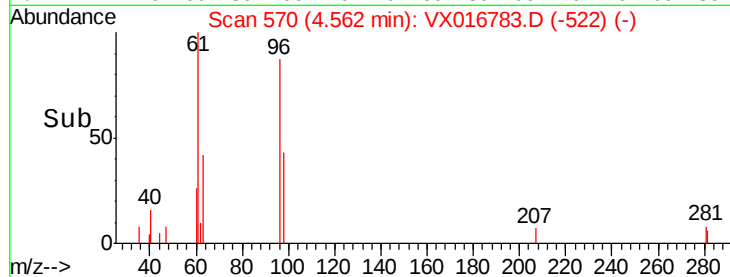
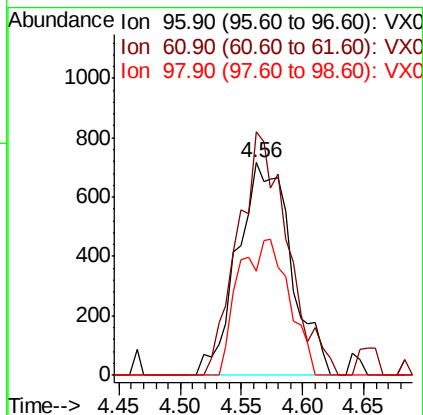
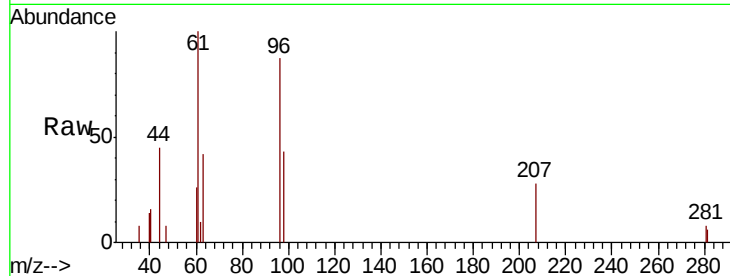


#27

cis-1,2-Dichloroethene
 Concen: 0.755 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX016783.D
 Acq: 16 Jun 2020 16:38

Instrument :
 MSVOA_X
 ClientSampleId :
 LF017MW004-200611

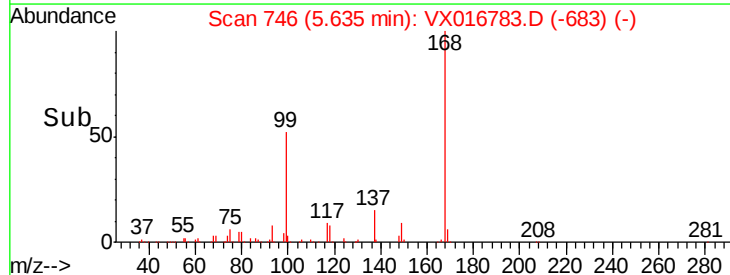
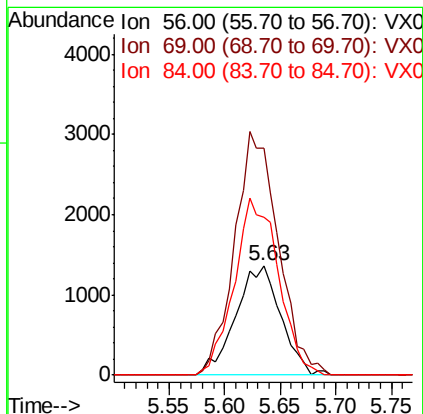
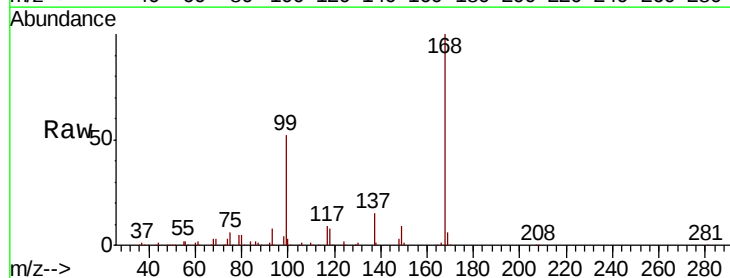
Tot Ion: 96 Resp: 2177
 Ion Ratio Lower Upper
 96 100
 61 106.9 0.0 276.2
 98 60.2 0.0 130.0

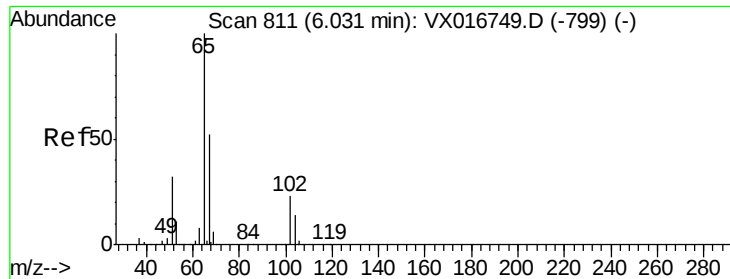


#31

Cyclohexane
 Concen: 1.789 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. 0.09 min
 Lab File: VX016783.D
 Acq: 16 Jun 2020 16:38

Tgt Ion: 56 Resp: 3856
 Ion Ratio Lower Upper
 56 100
 69 207.0 27.1 40.7#
 84 143.9 74.0 111.0#

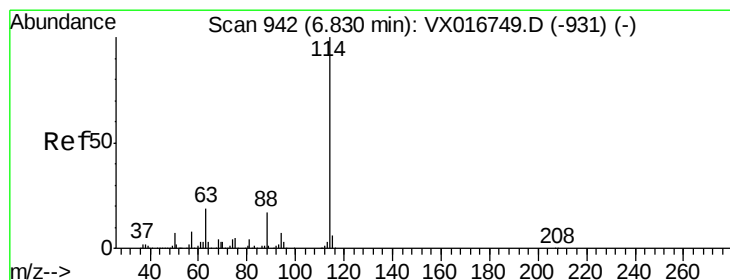
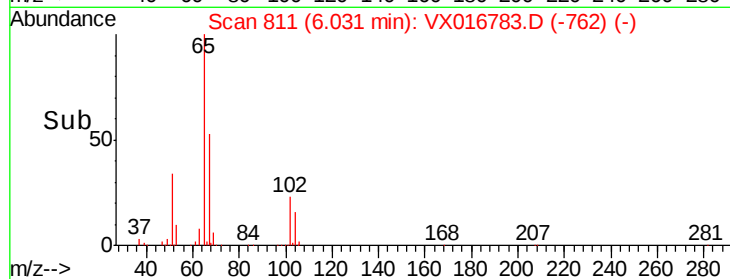
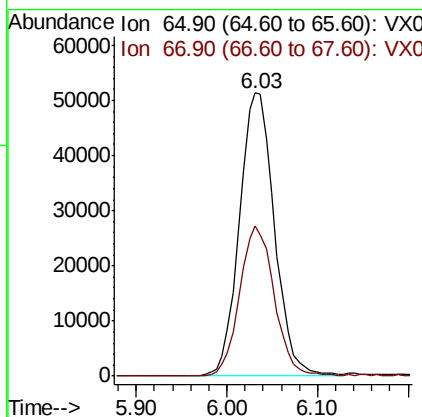
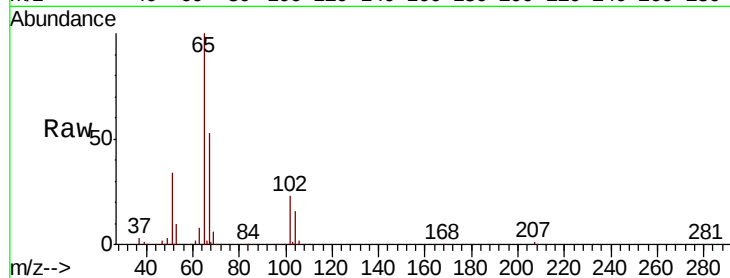




#33
 1,2-Dichloroethane-d4
 Concen: 50.808 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX016783.D
 Acq: 16 Jun 2020 16:38

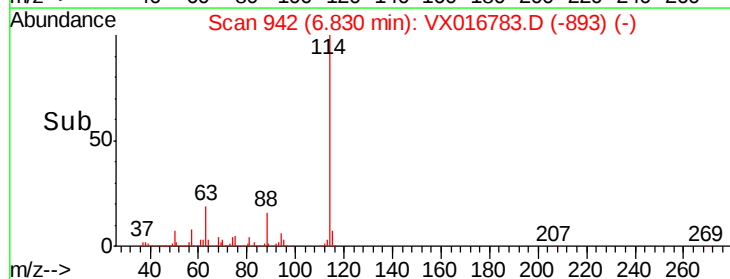
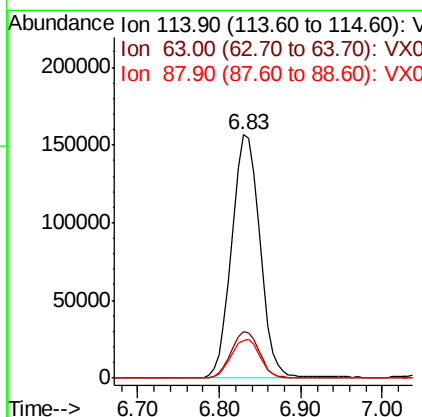
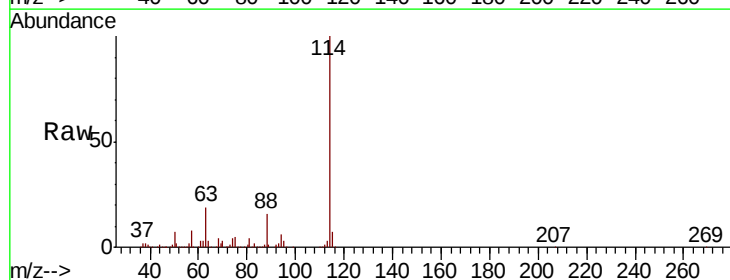
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 LF017MW004-200611

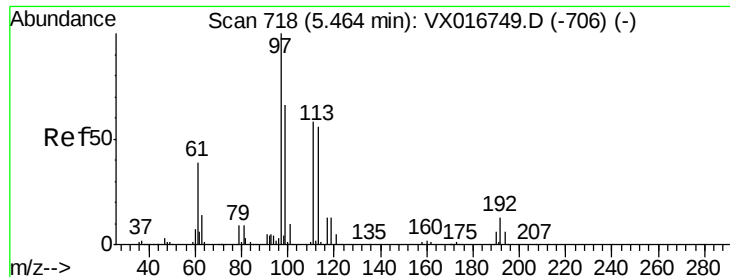
Tot Ion: 65 Resp: 137323
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016783.D
 Acq: 16 Jun 2020 16:38

Tgt Ion: 114 Resp: 376019
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.8
 88 15.5 0.0 33.4

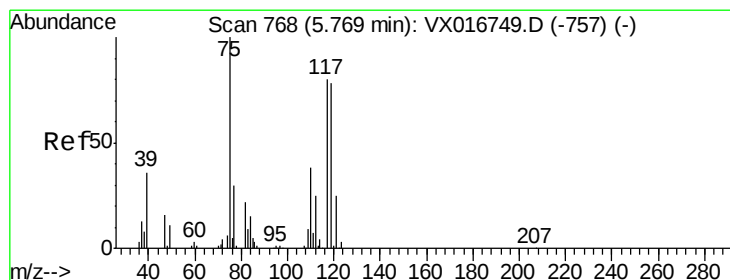
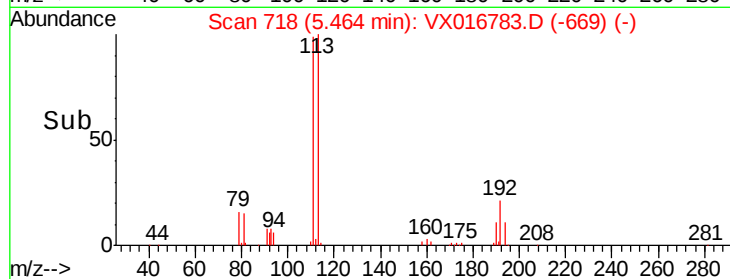
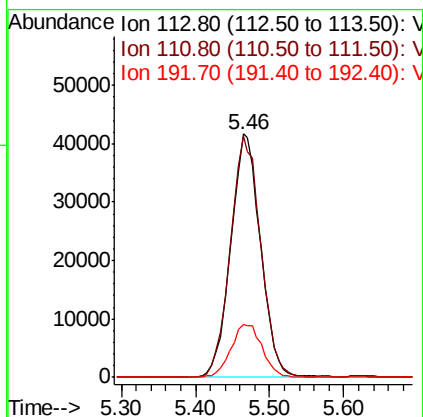
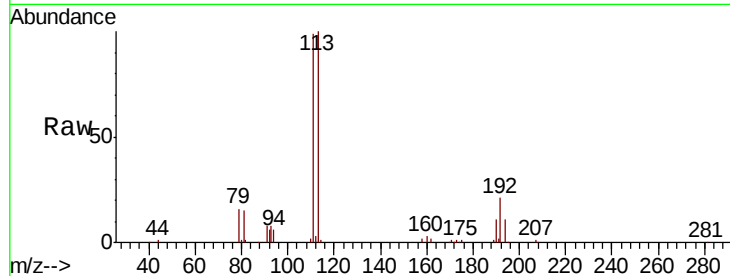




#35
 Dibromofluoromethane
 Concen: 50.423 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016783.D
 Acq: 16 Jun 2020 16:38

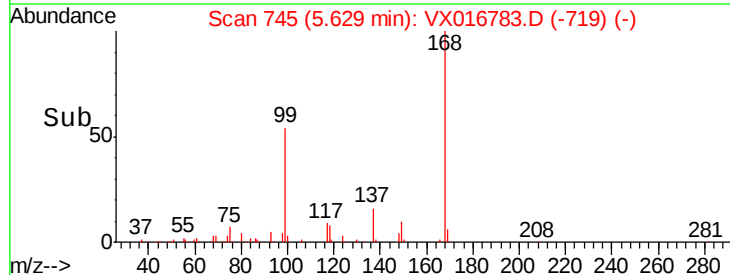
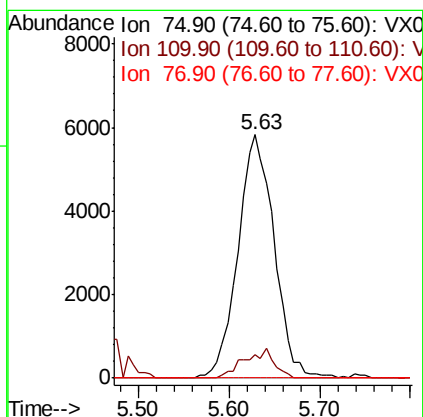
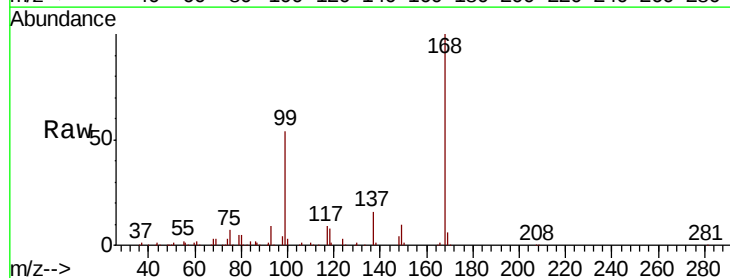
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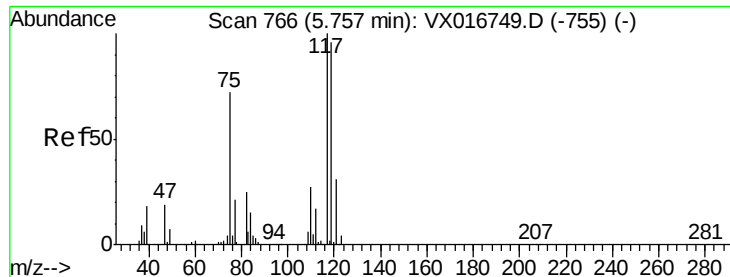
Tot Ion:113 Resp: 116981
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.8 122.6
 192 22.8 18.2 27.4



#36
 1,1-Dichloropropene
 Concen: 4.861 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016783.D
 Acq: 16 Jun 2020 16:38

Tgt Ion: 75 Resp: 16154
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.4 55.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.822 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

LF017MW004-200611

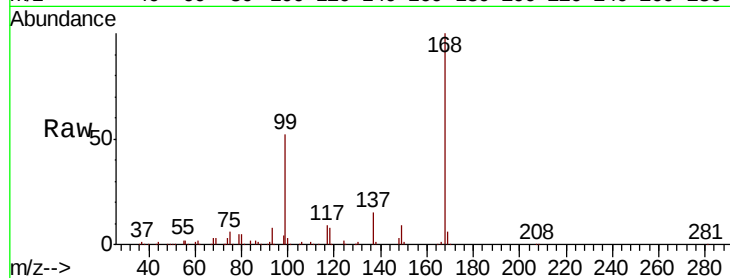
Tot Ion:117 Resp: 21973

Ion Ratio Lower Upper

117 100

119 4.9 76.7 115.1#

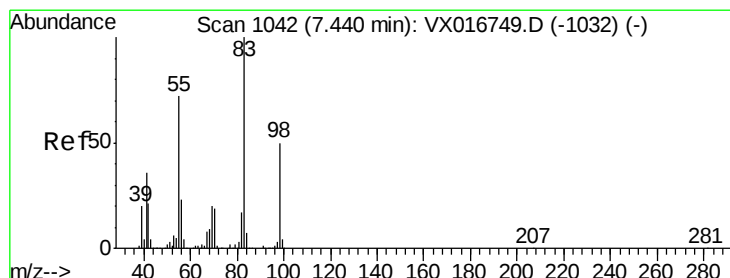
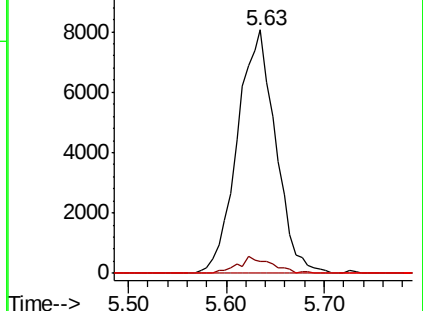
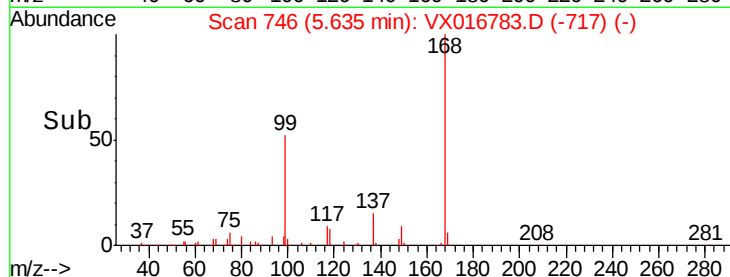
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.964 ug/l

RT: 7.43 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

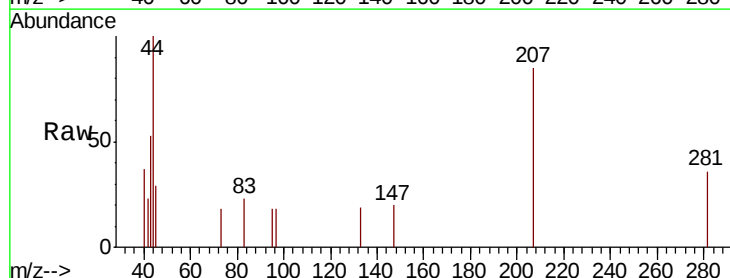
Tgt Ion: 83 Resp: 45

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

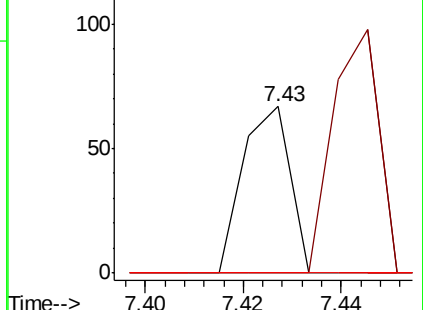
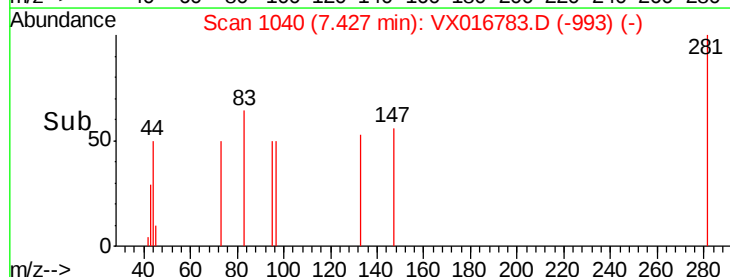
98 0.0 40.3 60.5#

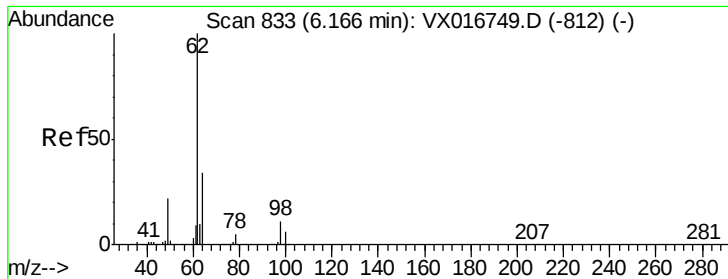


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#42

1,2-Dichloroethane

Concen: 0.662 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

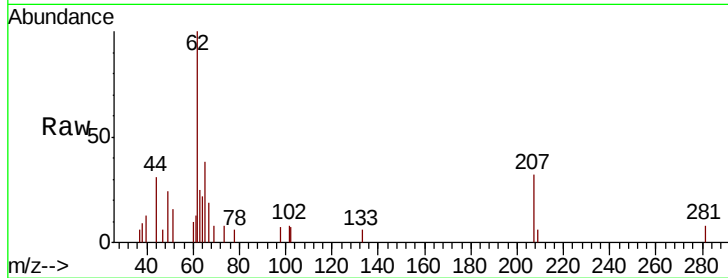
LF017MW004-200611

Tot Ion: 62 Resp: 2445

Ion Ratio Lower Upper

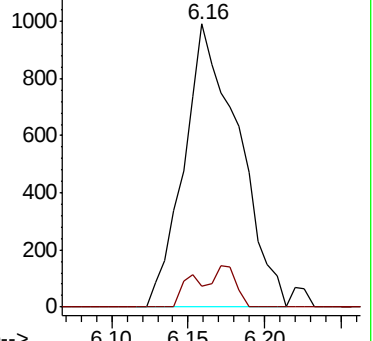
62 100

98 4.1 0.0 20.2

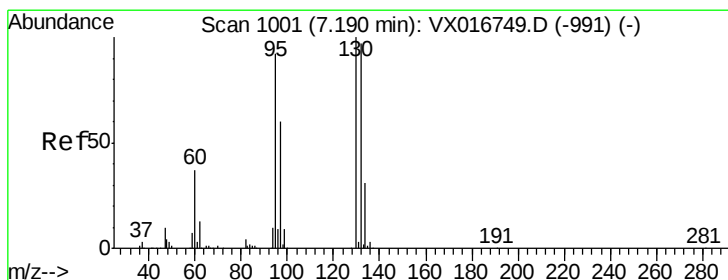
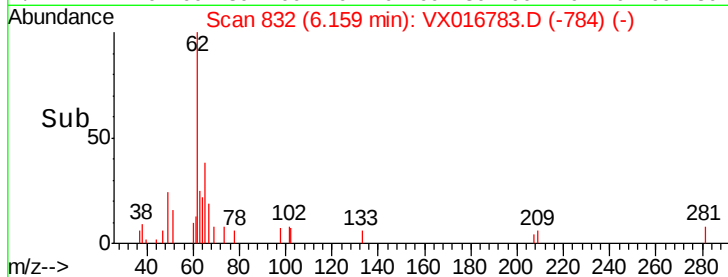


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->



#44

Trichloroethene

Concen: 11.528 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016783.D

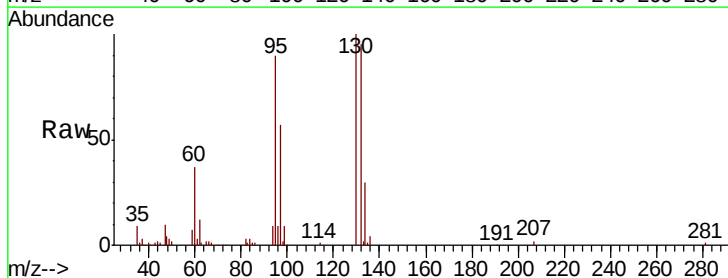
Acq: 16 Jun 2020 16:38

Tgt Ion:130 Resp: 36076

Ion Ratio Lower Upper

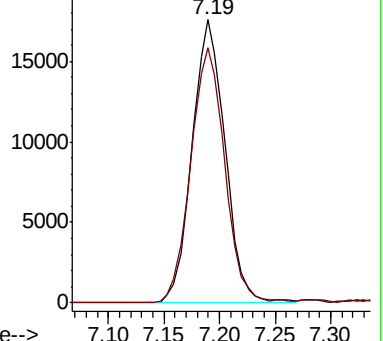
130 100

95 90.4 0.0 183.6

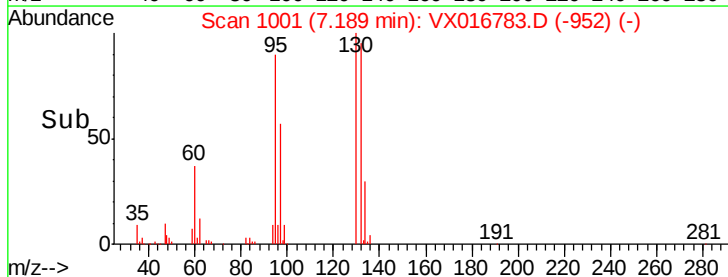


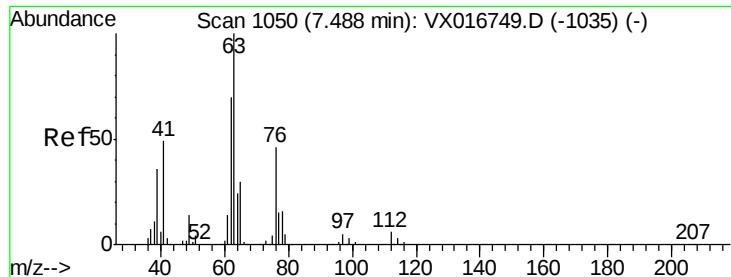
Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



Time-->





#45

1,2-Dichloropropane

Concen: 0.206 ug/l

RT: 7.49 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

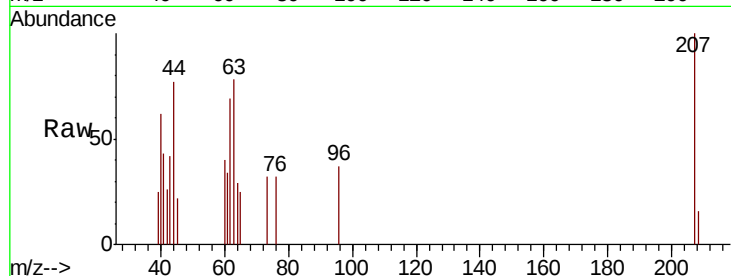
LF017MW004-200611

Tot Ion: 63 Resp: 510

Ion Ratio Lower Upper

63 100

65 32.0 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.49

250

200

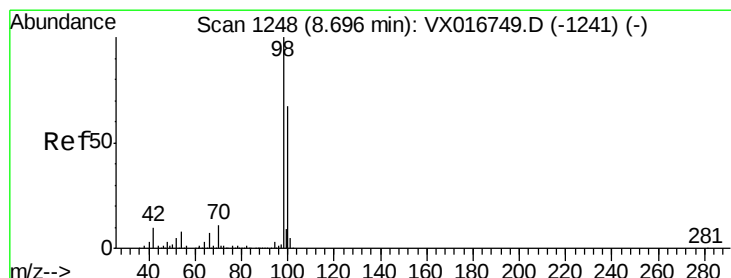
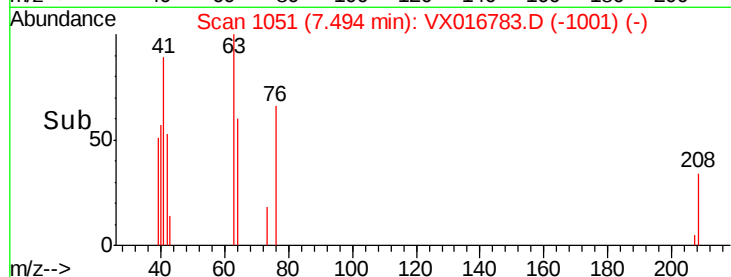
150

100

50

0

Time-->



#50

Toluene-d8

Concen: 53.611 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016783.D

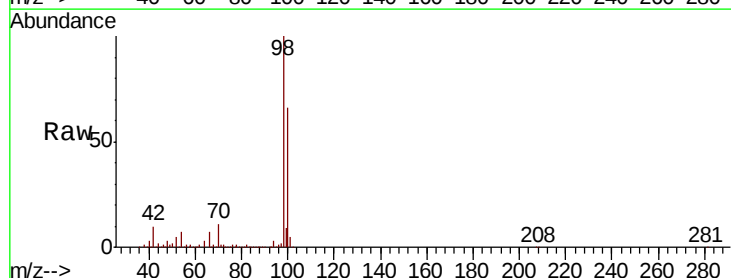
Acq: 16 Jun 2020 16:38

Tgt Ion: 98 Resp: 458608

Ion Ratio Lower Upper

98 100

100 66.5 53.9 80.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

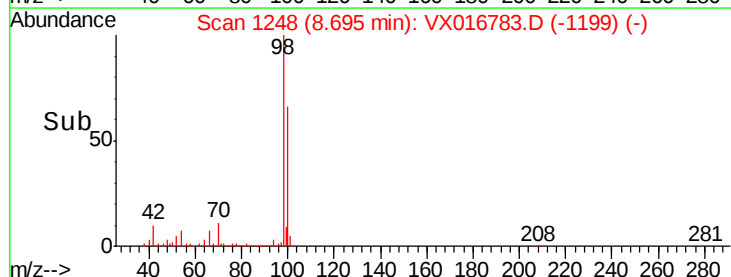
300000

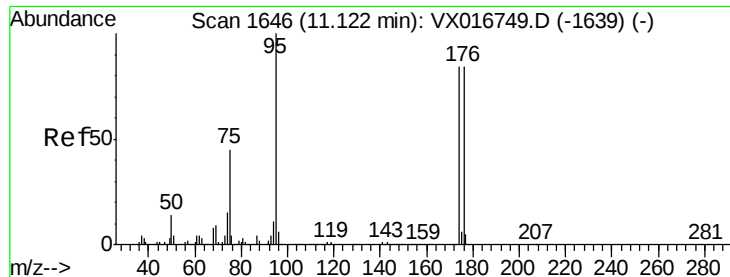
200000

100000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 57.051 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

LF017MW004-200611

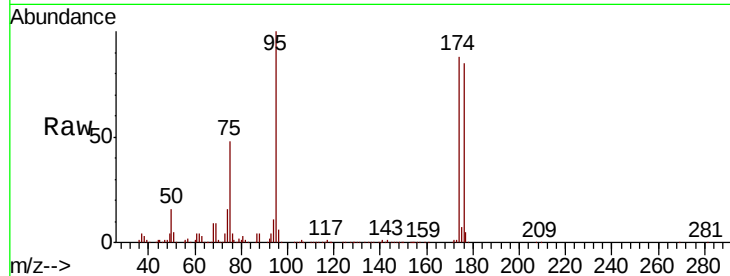
Tot Ion: 95 Resp: 186673

Ion Ratio Lower Upper

95 100

174 88.4 0.0 171.0

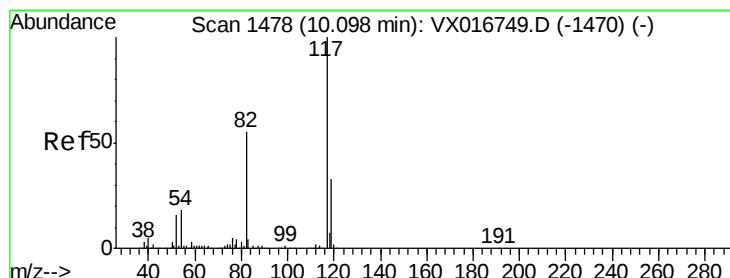
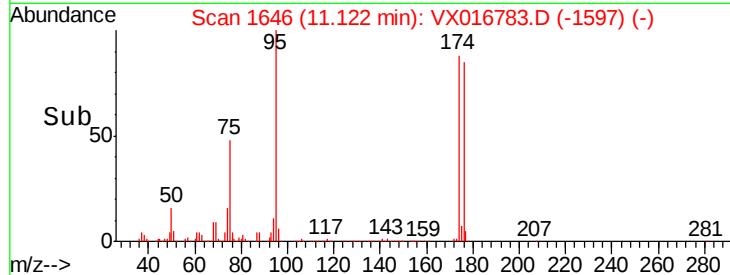
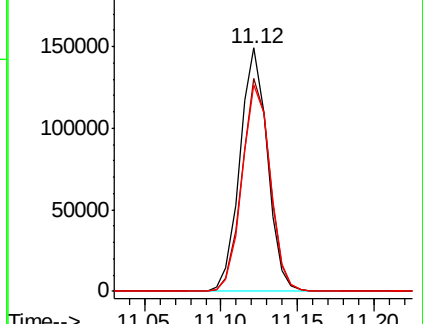
176 86.9 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

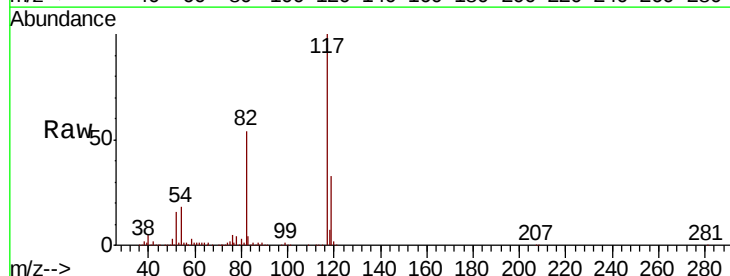
Tgt Ion: 117 Resp: 384785

Ion Ratio Lower Upper

117 100

82 53.9 43.8 65.6

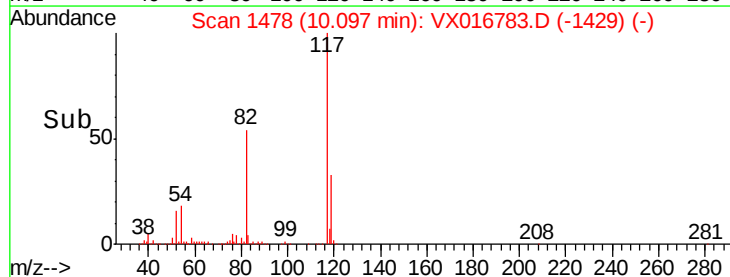
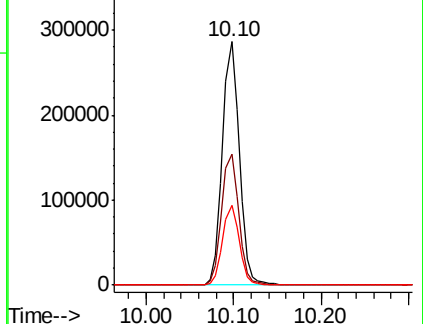
119 33.0 26.2 39.4

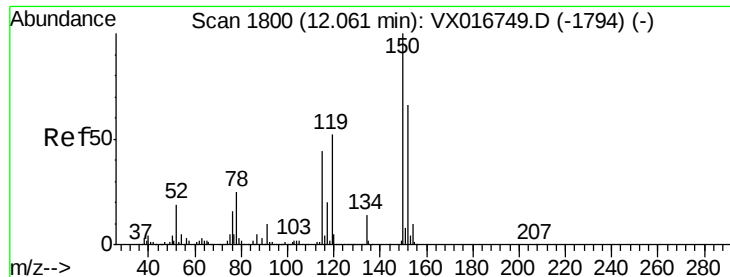


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

LF017MW004-200611

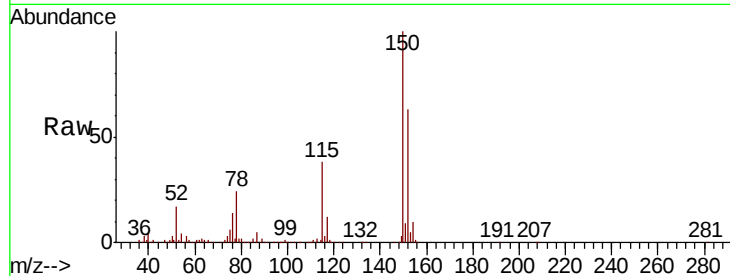
Tot Ion:152 Resp: 197107

Ion Ratio Lower Upper

152 100

115 58.8 40.3 120.8

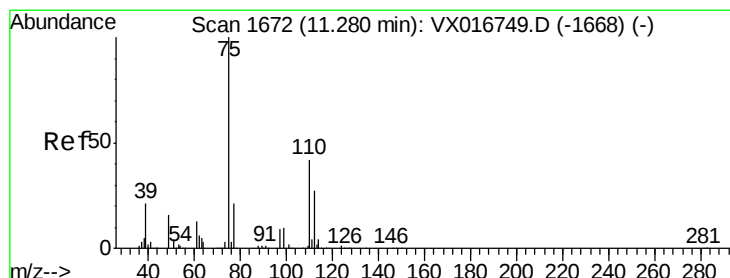
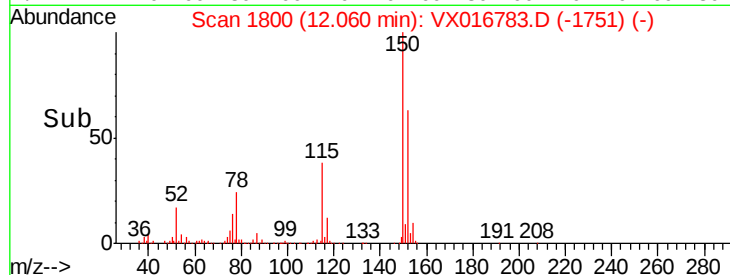
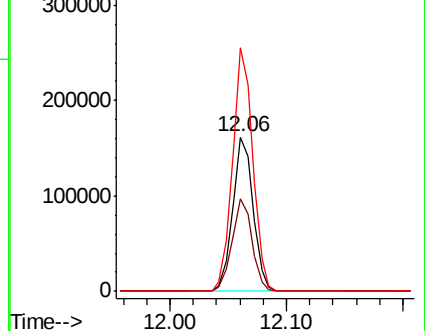
150 157.1 0.0 337.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.589 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016783.D

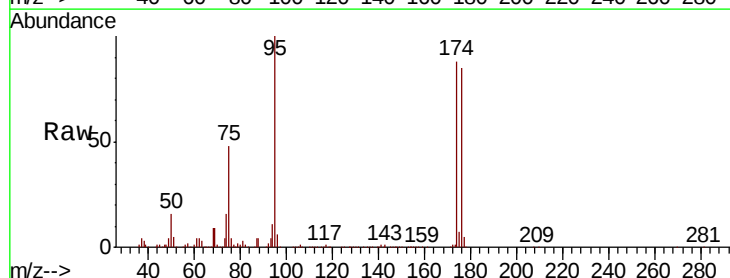
Acq: 16 Jun 2020 16:38

Tgt Ion: 75 Resp: 89489

Ion Ratio Lower Upper

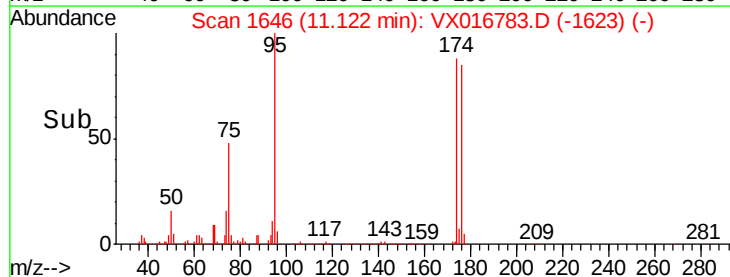
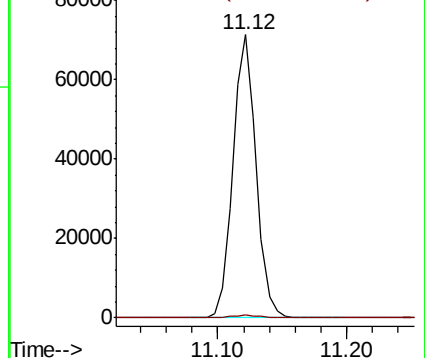
75 100

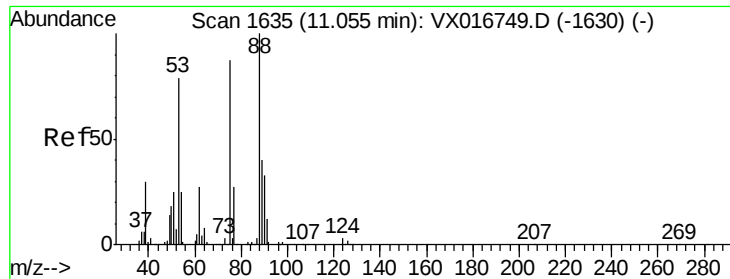
77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.350 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

LF017MW004-200611

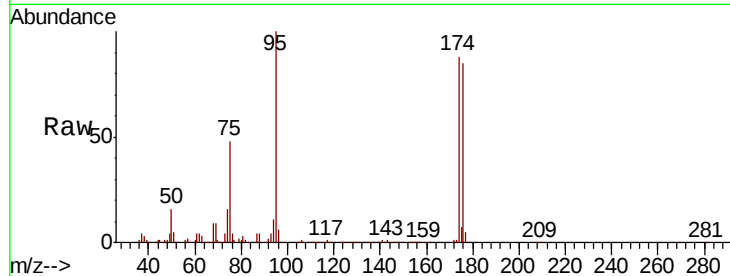
Tot Ion: 75 Resp: 89489

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.0#

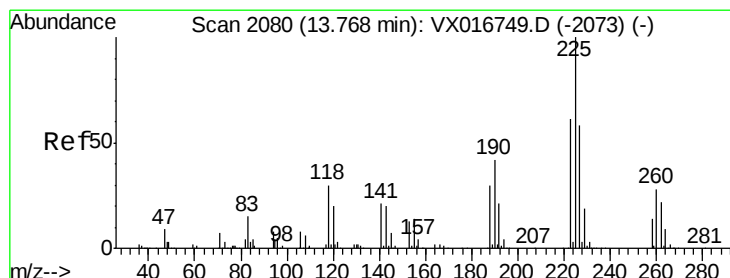
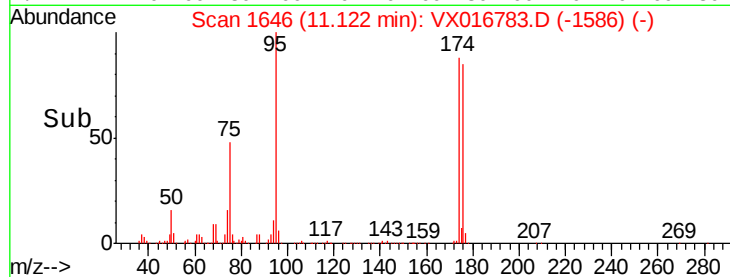
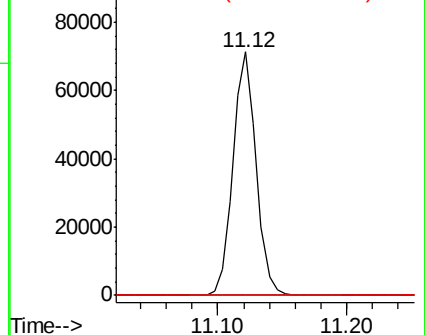
89 0.0 39.1 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#94

Hexachlorobutadiene

Concen: 0.441 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016783.D

Acq: 16 Jun 2020 16:38

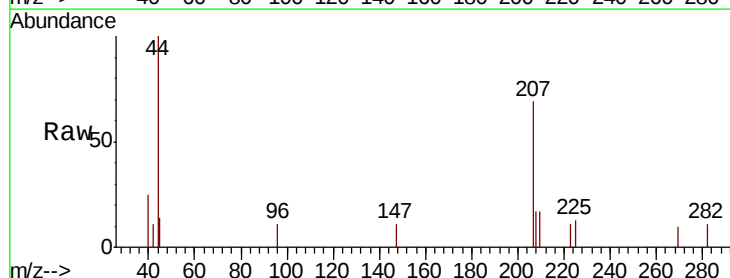
Tgt Ion: 225 Resp: 53

Ion Ratio Lower Upper

225 100

223 41.5 31.1 93.5

227 0.0 30.9 92.7#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

